

THE ECOSYSTEM OF MY ROOM

Name _____ Period _____

Think of your bedroom (or wherever you sleep) as an ecosystem. There are biotic and abiotic factors and populations in the community. Remember, each population is all the members of one species found in your room. Draw a picture of your room and color it. Then answer the following questions.

Picture Of Your Room Ecosystem

1. List 10 abiotic factors:

- | | |
|----|-----|
| 1. | 6. |
| 2. | 7. |
| 3. | 8. |
| 4. | 9. |
| 5. | 10. |

2. List 3 biotic factors:

- 1.
- 2.
- 3.

3. How many different species are in this ecosystem?

List each different species:

4. Producers are those organisms that make their own food. Examples are plants and algae. List any producers in this ecosystem:

5. Consumers are those organisms that cannot make their own food. Examples are frogs and fish. List all the consumers in this ecosystem:

6. Decomposers are those organisms that break down waste and dead things. An example is bacteria. List all the decomposers in this ecosystem:

7. If available water in this ecosystem were greatly limited, how would this affect the abiotic factors?
 - a. How would this affect the biotic factors?

8. If the temperature in this ecosystem were greatly reduced, how would this affect the abiotic factors?
 - a. How would this affect the biotic factors?

9. If there were many more producers in this ecosystem, how would this affect the abiotic factors?
 - a. How would this affect the biotic factors?

10. How does energy flow in this ecosystem?

11. How does life web in this ecosystem?